

## SECTION 508 STONE MATRIX ASPHALT

MATERIAL		REF.	PURP.	SAMPLED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
		TESTED BY		METHOD		CONTAINER	DISTR.			
ADDITIVES	Anti-Stripping	1002.02(a) Mat. Lab	Prelim. Source Approval	Dist. Lab S 612	1/batch or storage tank	1 pt Friction top can	----	----	10 days	(QPL 57)
		508.02 1002.02(a) Mat. Lab	Accept.	Proj. Engr. S 601	1/ shipment/ plant*	1 pt Friction top can	CD 1 & 7	250 tons per location	10 days	(QPL 57) *Sample when not accompanied by CD or questionable.
	Mineral Filler	508.02 1003.06(a)(6) Dist. Lab	Accept.	Proj. Engr S 102	1/500 tons*	1 gal Friction top can				(QPL 10) *Sampling not required for portland cement or hydrated lime when accompanied by CD.
	Fibers (Mineral or Cellulose)	508.02(3)	Accept.	Proj. Engr. S 601	1/Shipment*	1 qt. friction container	CC	----	10 days	*Pre-approved by DOTD
AGGREGATES	Combined Aggregates (Moisture Content)	503.09(b) Contractor	Quality Control	Contractor S 101	2/day/plant*	1 gal Suitable container	----	----	----	For drum-mixer plants. *Sample prior to starting plant & during operation. May be reduced to 1/plant/day when weather & stockpile conditions warrant, as allowed by DOTD inspector.
	Fine Aggregate	1003.06(b)(2) Dist. Lab	Accept./ Design	Proj. Engr. S 101	1/source/ plant	1 full sample sack	----	----	5 days	(QPL 2) Includes Fine Aggregate Angularity
	Crushed Stone	508.02 1003.06(b)(1) Dist. Lab	Accept./ Design	Proj. Engr. S 101	1/source/ plant/size	1 full sample sack	----	-----	5 days	(QPL 2) Includes Flat and Elongated
ASPHALT MIX RELEASE AGENT		1018.26 503.04 Proj. Engr.	Accept.*	-----	-----	-----	-----	-----	-----	(QPL 25) *Visual inspection for performance by Proj. Engr.

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		TESTED BY		METHOD		CONTAINER	DISTR.			
ASPHALTIC CONCRETE (PLANT)	Anti-Strip Additive, %	508.07(b) 501.12(e) Proj. Engr.	Accept.	Proj. Engr. S 605	1/sublot	*	----	----	----	* Range given on JMF, % AS from meter. See QA Manual.
	Asphalt Cement, %	508.05 503.09 Proj. Engr.	Quality Control	Contractor S 605	1/sublot	*	----	----	----	* % AC from meter or scales. See QA Manual.
	Briquettes (Marshall or Gyratory)	508.03 Contractor	Design	Contractor S 203	As required for Design		----	----	----	Results submitted with JMF.
			Quality Control	S 203	1 set/10 lots/JMF	----	----	----	----	AASHTO T 283
				Contractor S 203 & S 605	1/sublot	suitable sampling bucket	----	----	----	* One briquette for volumetric for each sublot.
		508.03 Dist. Lab	Design/ Accept.	Proj. Engr. S 203	1 set/ 20 lots/ JMF*	6 briquettes/set	----	----	7 days	(Marshall Method and Modified Lottman) * 1 set per JMF for design acceptance and 1 set per 20 lots per JMF for acceptance.
		508.06 Proj. Engr.	Accept.	Proj. Engr. S 203 & S 605	1/sublot*	Suitable sampling bucket	----	----	1 day	* One briquette for volumetric for each sublot.
		508.06 Dist. Lab	Verif.	Proj. Engr. S 203 & S 605	1/half lot	Suitably wrapped	----	----	5 days	Shall be a companion sample of an acceptance sample representing each half lot of plant operation. (Submit the second briquette.)
		508.06 Dist. Lab	I A	Dist. Lab S 203	----	----	----	----	7 days	See Independent Assurance Program S 701.

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		TESTED BY		METHOD		CONTAINER	DISTR.			
ASPHALTIC CONCRETE (PLANT) (Cont'd)	Job Mix Formula (JMF)	508.03 Contractor/ Dist Lab	Design/ Accept	----	1/mix type/ plant	SEE INDEPENDENT ASSURANCE PROGRAM S 901				Contractor shall submit to the Proj. Engr. the proposed job mix formula with supporting design data. Approval by the Dist. Lab Engr. is required prior to starting work. Dist. Lab to evaluate all data submitted with JMF and complete sample testing. After approval of proposal, contractor may start production.
	Loose Mixture (Maximum Specific Gravity)	508.05 Contractor	Quality Control	Contractor S203	1/sublot	Suitable sampling bucket	----	----	1 day	Average of two tests will be used to determine volumetric and density.
		508(06(a) Proj. Engr	Accept.	Proj. Engr. S203	1/sublot	Suitable sampling bucket	----	----	1 day	Average of two tests will be used to determine volumetric and density.
	Loose Mixture (Asphalt Coating)	503.02(m) Contractor	Mix Design/ Quality Control	Contractor S 203	1/JMF*	1 gal Friction top can	-----	-----	----	*Additional tests shall be taken to control asphalt coating of aggregates in mixture.
		503.02(m) Proj. Engr.	Accept.	Proj. Engr. S 203	1/JMF*	1 gal Friction top can	-----	-----	1 day	*Additional tests shall be taken if asphalt coating is questionable.
	Loose Mixture (Asphalt Draindown)	503.09 Contractor	Mix Design	Contractor	1/JMF	1 gal Friction top can	----	----	----	----
		503.09 Proj. Engr.	Accept.	Proj. Engr. S 203	1/lot	1 gal Friction top can	----	----	1 day	----

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		TESTED BY		METHOD		CONTAINER	DISTR.			
ASPHALTIC CONCRETE (Plant) (Cont'd)	Loose Mixture (Gradation )	508.05 Contractor	Quality Control	Contractor S 203 & S 605	1/sublot	Suitable sampling bucket	-----	-----	-----	*Results plotted on control charts.
		508.06 Proj. Engr.	Accept.	Proj. Engr. S 203 & S 605	1/sublot	-----	-----	-----	1 day	-----
		508.06 Dist. Lab	I A	Dist. Lab S 203	-----	-----	-----	-----	7 days	See Independent Assurance Program S 701. Whenever possible, sample at same time acceptance sampling is done.
	Loose Mixture (Abson Recovery)	503.02(a) Mat. Lab	Plant Certification	Proj. Engr. S 203	1/plant*	1 gal Friction top can	-----	-----	14 days	*Additional samples will be taken if plant process is questionable.
	Loose Mixture* (Temperature)	503.09 Contractor	Quality Control	Contractor S 605	2/sublot	-----	-----	-----	-----	*Temperature of mixture in truck at plant.
		503.09 Proj. Engr.	Accept.	Proj. Engr. S 605	1/sublot*	-----	-----	-----	1 day	*Temperature of mixture in truck at plant.
ASPHALTIC CONCRETE (In-Place)	Density	508.06(e) Proj. Engr.	Accept.	Proj. Engr. S 203 & S 605	5/sublot/ mix use/ project*	4 or 6 in. diameter core	-----	-----	1 day	* See QA manual for shipment of cores.
		508.06(e) Dist. Lab	Verif.	Proj. Engr. S 203 & S 605	2/sublot/ project	4 or 6 in. diameter core	-----	-----	5 days	-----
		508.06(e) Dist. Lab	I A	Dist. Lab S 203	SEE INDEPENDENT ASSURANCE PROGRAM S 701.					
	Longitudinal Surface Tolerance	508.06(f) Contractor	Quality Control	Contractor TR 641 S 605	Each lot/ project	Entire length/ one path	-----	-----	-----	Contractor must furnish an approved 25-ft profilograph or approved alternate. Applies to roadway and airports WC
		508.06(f) Dist. Lab or Proj. Engr.	Accept.	Dist. Lab or Proj. Engr. TR 641 S 605	Each lot/ paving strip	Entire length/ one path	-----	-----	2 days	Applies to final roadway or airport wearing course surface.

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